

HEART BRAND
PLIERS

AND
HAND TOOLS



WYNN TIMMINS
AND COMPANY LIMITED
BIRMINGHAM
ENGLAND

FROM the selection of raw material until the time Heart Brand Tools are despatched from our factory, infinite care is taken with all the many details necessary for the production of a hand tool which is manufactured to a standard of quality.

The method of production at the factory is most stringent, and no tool is despatched from our works without inspection and test.

HIGH FREQUENCY INDUCTION HARDENING

All patterns in this catalogue and/or price list carrying the suffix 'E' are treated by this process which allows the cutting edge to deal with HIGH TENSILE STEEL WIRE whilst the body of the tool is left in its toughest state.

ALL TOOLS SO TREATED ARE GUARANTEED TO CUT HARD WIRE.

INSULATION :

All insulation is applied to our tools in our own works and each tool is tested on our 20,000 volt electrical testing plant.

- C 191** Ribbed red rubber insulation.
- C 192** Heavy P.V.C. insulation.
- C 193** Standard ribbed P.V.C. insulation.
- C 194** Red Lustre, ribbed translucent P.V.C. applied to nickel plated, high frequency treated, plier, giving an attractive appearance.

TOOLS WITH A PEDIGREE

CARTONING AND BOXING

The following tools are individually cartoned : C 193, C 198, 575, 201, 467 A, 467 B, C 206, C 205, 208 E, C 200, 469, C 100 and C 101.

All other tools are packed Six or Twelve to a box suitably labelled.

SHOWBOARDS These are available without charge on request. They carry 17 assorted tools and are supplied on the placing of a stock order.

SHOWCARDS Attractive showcards are available on request, but these are always included in export cases.

TESTING Cutting edges of all tools undergo a practical test by machine and hand before despatch.

GUARANTEE All tools are inspected during manufacture and before final cartoning or boxing. Any tool proving defective will be replaced if not subjected to misuse.

TERMS Minimum carriage paid lots : England £20. Export delivered F.O.B. on £20. Strictly net monthly account, packing free, cases extra at cost.

PRICES Current prices are enclosed which are subject to revision without notice.

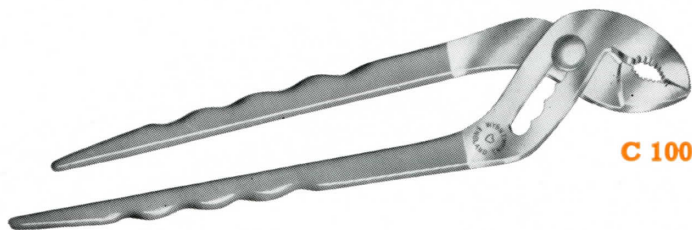
Prices and Discounts are subject to revision without notice.

DESIGN In accordance with our policy of progressive improvement, the right is reserved to alter any design or finish.

WYNN TIMMINS AND COMPANY LIMITED
CENTURY WORKS, COMMERCIAL STREET
BIRMINGHAM, ENGLAND

Telephone : Midland 0631/2/3

Telegrams : Century, Birmingham



C 100



C 101

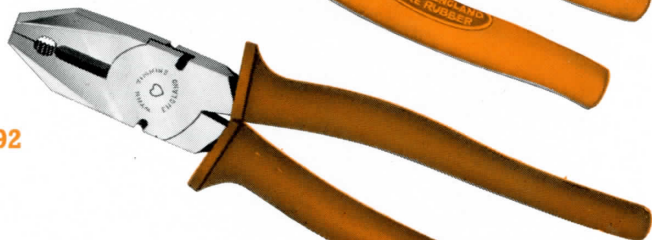
See Cover for Illustration of C 194 E

Pattern No.	Description	Qty. Packed in a Box	Weight of 12 in Lbs. Boxed	Size	Weight of 12 in Kilos Boxed	Dimensions of 12 Boxed
C 100	Slip Joint Water Pump Plier, knurled handles with pipe grip chrome vanadium, plated	1	8 lbs. 4 oz.	9½"	3-73	9¾" × 4½" × 4¼"
C 101	Rib Joint, ditto	1	8 lbs. 4 oz.	9½"	3-73	9¾" × 4½" × 4¼"
C 194 E	Nickel Plated Combination Plier, with red lustre translucent P.V.C. insulation, 6", 7", 8" and 10"	1	5 lbs.	6"	2-25	6¾" × 5¼" × 2¾"
		1	6 lbs. 4 oz.	7"	2-82	7¾" × 5¼" × 2¾"
		1	8 lbs. 6 oz.	8"	3-78	8¾" × 5¼" × 2¾"
		6	14 lbs. 8 oz.	10"	6-56	10¼" × 3¾" × 3¼"

C 191



C 192



C 193



Pattern No.	Description	Qty. Packed in a Box	Weight of 12 in Lbs. Boxed	Size	Weight of 12 in Kilos Boxed	Dimensions of 12 Boxed
C 191	Combination Plier, Insulated with red rubber, 6", 7" and 8"	12	6 lbs.	6"	2-71	7" × 4 $\frac{1}{2}$ " × 4 $\frac{1}{2}$ "
		12	7 lbs. 6 oz.	7"	3-34	7 $\frac{1}{2}$ " × 4 $\frac{1}{2}$ " × 4 $\frac{1}{2}$ "
		12	9 lbs. 13 oz.	8"	4-43	8 $\frac{1}{2}$ " × 4 $\frac{1}{2}$ " × 4 $\frac{1}{2}$ "
C 192	Combination Plier, Insulated with unbreakable sheath, unaffected by oil, etc., 6", 7" and 8"	12	6 lbs.	6"	2-71	7" × 4 $\frac{1}{2}$ " × 4 $\frac{1}{2}$ "
		12	7 lbs. 6 oz.	7"	3-34	7 $\frac{1}{2}$ " × 4 $\frac{1}{2}$ " × 4 $\frac{1}{2}$ "
		12	9 lbs. 13 oz.	8"	4-43	8 $\frac{1}{2}$ " × 4 $\frac{1}{2}$ " × 4 $\frac{1}{2}$ "
C 193	Combination Plier P.V.C. Insulated, with two joint cutters, 6", 7", 8" and 10"	1	5 lbs.	6"	2-25	6 $\frac{1}{2}$ " × 5 $\frac{1}{2}$ " × 2 $\frac{1}{2}$ "
		1	6 lbs. 4 oz.	7"	2-82	7 $\frac{1}{2}$ " × 5 $\frac{1}{2}$ " × 2 $\frac{1}{2}$ "
		1	8 lbs. 6 oz.	8"	3-78	8 $\frac{1}{2}$ " × 5 $\frac{1}{2}$ " × 2 $\frac{1}{2}$ "
		6	14 lbs. 8 oz.	10"	6-56	10 $\frac{1}{2}$ " × 3 $\frac{1}{2}$ " × 3 $\frac{1}{2}$ "



C 384



C 1420

Pattern No.	Description	Qty. Packed in a Box	Weight of 12 in Lbs. Boxed	Size	Weight of 12 in Kilos Boxed	Dimensions of 12 Boxed
C 384	Punch Plier, 6" to cut sizes 0-10	6	6 lbs.	6"	2-71	6 $\frac{1}{4}$ " \times 3" \times 3 $\frac{3}{4}$ "
	7" to cut assorted sizes up to $\frac{5}{16}$ "	6	8 lbs.	7"	3-62	7 $\frac{1}{2}$ " \times 5 $\frac{1}{2}$ " \times 3 $\frac{1}{2}$ "
	10" to cut assorted sizes up to $\frac{3}{8}$ "	6	18 lbs.	10"	8-14	10 $\frac{1}{4}$ " \times 5" \times 4 $\frac{1}{2}$ "
C 1420	Toggle Joint Top Cutting Nipper, with detachable jaws, suitable for music wire, 7"	6	12 lbs. 6 oz.	7"	5-58	7 $\frac{3}{8}$ " \times 4 $\frac{1}{4}$ " \times 5 $\frac{3}{8}$ "

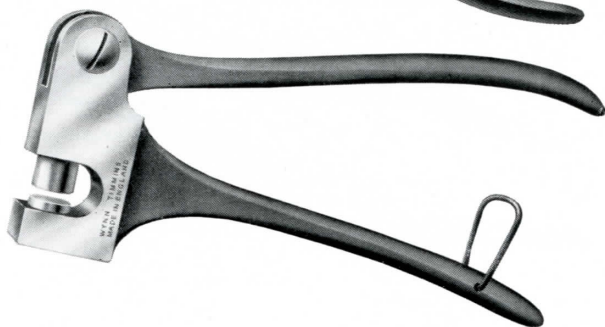
C 1485



C 222



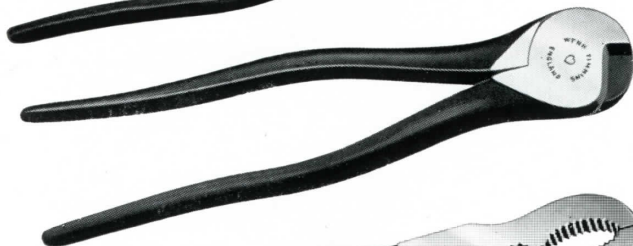
300



Pattern No.	Description	Qty. Packed in a Box	Weight of 12 in Lbs. Boxed	Size	Weight of 12 in Kilos Boxed	Dimensions of 12 Boxed
C 1485	Lead Sealer for $\frac{7}{16}$ " and $\frac{1}{2}$ " dia. seals	6	9 lbs. 4 oz.	6"	4.18	$6\frac{1}{2}$ " \times 5" \times 4"
C 222	Shoe or Lasting Pincer, 7", 8" and 9". Narrow Nose	12	6 lbs. 10 oz.	7"	2.99	$7\frac{1}{2}$ " \times $3\frac{1}{2}$ " \times 3"
		12	9 lbs. 8 oz.	8"	4.29	$8\frac{1}{2}$ " \times 6" \times 2"
		12	11 lbs. 8 oz.	9"	5.19	$9\frac{1}{2}$ " \times 4 $\frac{1}{2}$ " \times 3 $\frac{1}{2}$ "
300	Lead Sealer, drop-forged steel for $\frac{1}{2}$ " dia. seals	6	11 lbs. 4 oz.	6"	5.08	$6\frac{1}{2}$ " \times 4" \times 3"



C 198



C 218



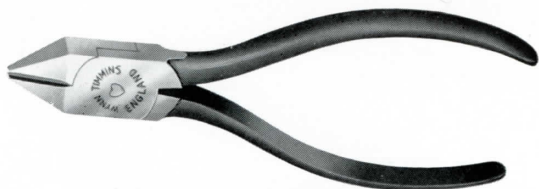
C 245



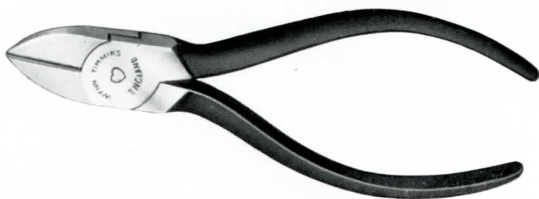
2538 B

Pattern No.	Description	Qty. Packed in a Box	Weight of 12 in Lbs. Boxed	Size	Weight of 12 in Kilos Boxed	Dimensions of 12 Boxed
C 198	Combination Plier with two joint cutters, 3", 6", 7", 8" and 10"	1	4 lbs. 6 oz.	6"	1-96	6 $\frac{3}{4}$ " x 4 $\frac{1}{4}$ " x 2 $\frac{1}{2}$ "
		1	5 lbs. 12 oz.	7"	2-58	7 $\frac{3}{4}$ " x 5 $\frac{1}{4}$ " x 2 $\frac{1}{2}$ "
		1	8 lbs.	8"	3-62	8 $\frac{3}{4}$ " x 5 $\frac{1}{4}$ " x 2 $\frac{1}{2}$ "
		6	13 lbs. 4 oz.	10"	6-00	10 $\frac{1}{4}$ " x 3 $\frac{3}{4}$ " x 3 $\frac{1}{4}$ "
C 218	Wire Cutter or Huntsman's Nipper, 6" and 7"	6	5 lbs. 4 oz.	6"	2-36	6 $\frac{1}{4}$ " x 3" x 2 $\frac{1}{2}$ "
		6	6 lbs.	7"	2-71	7 $\frac{1}{4}$ " x 3 $\frac{1}{4}$ " x 2 $\frac{1}{2}$ "
C 245	Scotch Gas Plier, with two burner holes, turn screw and rimer end, 7", 8" and 10"	12	6 lbs. 2 oz.	7"	2-76	7 $\frac{1}{2}$ " x 3 $\frac{1}{2}$ " x 2"
		12	7 lbs.	8"	3-17	8 $\frac{1}{4}$ " x 3 $\frac{3}{4}$ " x 2"
		12	11 lbs.	10"	4-97	10 $\frac{1}{4}$ " x 3 $\frac{3}{4}$ " x 2 $\frac{1}{4}$ "
2538 B	Champion Gas Plier, 4", 8" and 9"	12	7 lbs. 8 oz.	8"	3-39	8 $\frac{1}{4}$ " x 3 $\frac{3}{4}$ " x 2"
		12	9 lbs. 4 oz.	9"	4-18	9 $\frac{1}{4}$ " x 3 $\frac{3}{4}$ " x 2 $\frac{1}{4}$ "

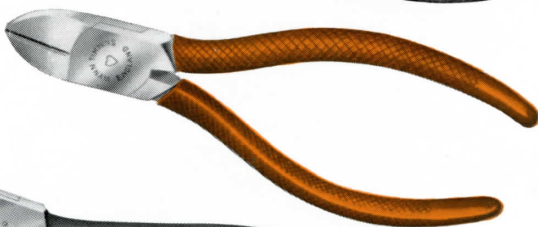
P 201 E



201 E



**201 E
(Ins.)**



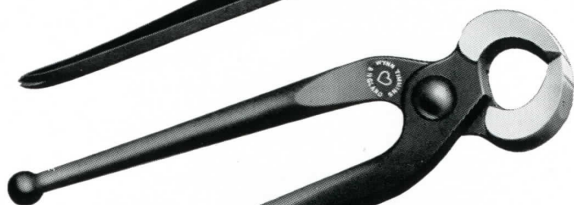
208 E



Pattern No.	Description	Qty. Packed in a Box	Weight of 12 in Lbs. Boxed	Size	Weight of 12 in Kilos Boxed	Dimensions of 12 Boxed
P 201 E	Pointed Nose Side-Cutting Nipper for hard wire 5" and 6"	12	2 lbs. 12 oz.	5"	1.24	5½" × 3½" × 2"
		12	3 lbs. 8 oz.	6"	1.58	6½" × 3½" × 2½"
201 E	Side-Cutting Nipper for hard wire 5" and 6"	12	2 lbs. 12 oz.	5"	1.24	5½" × 3½" × 2"
		12	3 lbs. 8 oz.	6"	1.58	6½" × 3½" × 2½"
201 E (Ins.)	Side-Cutting Nipper for hard wire 5" and 6", insulated	12	2 lbs. 12 oz.	5"	1.24	5½" × 3½" × 2"
		12	3 lbs. 8 oz.	6"	1.58	6½" × 3½" × 2½"
208 E	Heavy Duty Diagonal Cutting Nipper for hard wire 7½"	12	7 lbs. 6 oz.	7½"	3.34	7½" × 4½" × 3½"



C 509



C 510

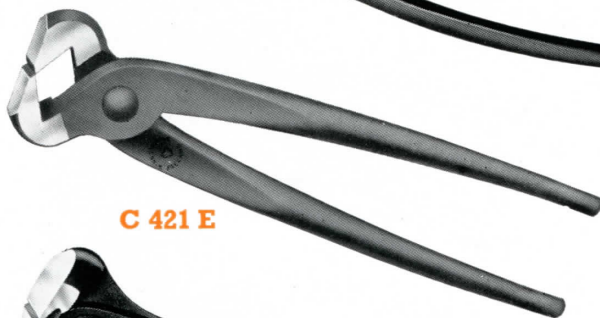


C 511

Pattern No.	Description	Qty. Packed in a Box	Weight of 12 in Lbs. Boxed	Size	Weight of 12 in Kilos Boxed	Dimensions of 12 Boxed
C 509	Shouldered Pincer with claw, 7"	12	8 lbs. 12 oz.	7"	3-96	7½" × 4¼" × 3½"
C 510	Knob and Claw Pincer, 7" and 8"	12 12	8 lbs. 4 oz. 11 lbs. 15 oz.	7" 8"	3-73 5-41	7½" × 4¼" × 3½" 8½" × 4½" × 4¼"
C 511	Shouldered Pincer. 7" and 8"	12 12	8 lbs. 12 oz. 11 lbs. 4 oz.	7" 8"	3-96 5-10	7½" × 4¼" × 3½" 8½" × 4½" × 4¼"



C 858 E



C 421 E



C 878 E

Pattern No.	Description	Qty. Packed in a Box	Weight of 12 in Lbs. Boxed	Size	Weight of 12 in Kilos Boxed	Dimensions of 12 Boxed
C 858 E	Top Cutting Nipper, suitable for the larger sizes of wire, 7", 9" and 12"	1	8 lbs. 8 oz.	7"	3-84	7" × 6 $\frac{3}{4}$ " × 5 $\frac{1}{2}$ "
		1	18 lbs.	9"	8-14	9" × 7 $\frac{3}{4}$ " × 7 $\frac{1}{2}$ "
		1	30 lbs.	12"	13-58	12" × 8 $\frac{1}{4}$ " × 8 $\frac{1}{2}$ "
C 421 E	Tower Cutting Nipper, 6", 7", 8" and 10"	12	5 lbs. 3 oz.	6"	2-33	6 $\frac{1}{2}$ " × 3 $\frac{3}{4}$ " × 2 $\frac{1}{2}$ "
		12	6 lbs. 12 oz.	7"	3-05	7" × 3 $\frac{3}{4}$ " × 3"
		6	12 lbs. 8 oz.	8"	5-65	8 $\frac{3}{8}$ " × 4" × 3"
		6	14 lbs.	10"	6-34	10 $\frac{3}{8}$ " × 4" × 3"
C 878 E	Top Cutting Nipper, suitable for use with the smaller sizes of wire, 6"	12	6 lbs. 7 oz.	6"	2-90	6 $\frac{1}{2}$ " × 4" × 3"



C 1494



575



C 477 E

Pattern No.	Description	Qty. Packed in a Box	Weight of 12 in Lbs. Boxed	Size	Weight of 12 in Kilos Boxed	Dimensions of 12 Boxed
C 1494	Milliner's or Rosary Pliers, half-round noses with Side-Cutter, 4"	12	1 lb. 1 oz.	4"	0.47	4½" × 2⅜" × 1½"
575	Revolving Punch Plier, with Six Punches, ⅜" to ⅝"	12	6 lbs. 10 oz.	8"	2.95	9¼" × 8" × 4"
C 477 E	End Cutting Nipper for hard wire	6	3 lbs. 8 oz.	6"	1.58	6¼" × 3" × 3¼"



C 448

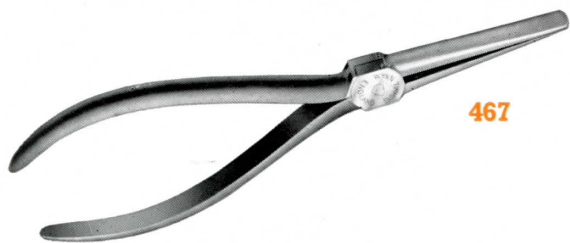


C 449

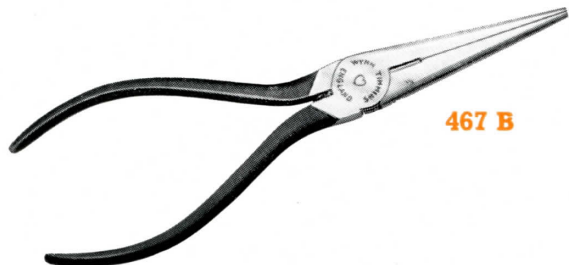


C 200

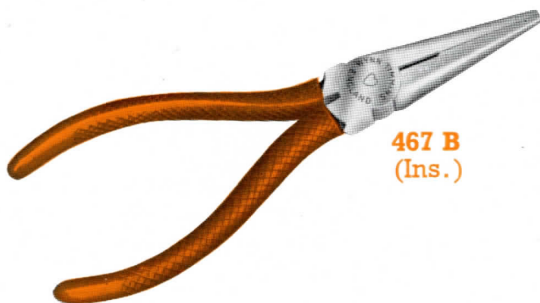
Pattern No.	Description	Qty. Packed in a Box	Weight of 12 in Lbs. Boxed	Size	Weight of 12 in Kilos Boxed	Dimensions of 12 Boxed	
C 448	Flat Nose Pliers, with serrated jaws	12	1 lb. 8 oz.	4"	0.64	4 $\frac{1}{4}$ "	3" × 1 $\frac{1}{2}$ "
		12	2 lbs. 8 oz.	5"	1.08	5 $\frac{1}{2}$ "	3" × 2 $\frac{1}{2}$ "
		12	3 lbs. 8 oz.	6"	1.54	6 $\frac{1}{8}$ "	3" × 2 $\frac{1}{4}$ "
C 449	Round Nose Pliers	12	1 lb. 8 oz.	4"	0.63	4 $\frac{1}{4}$ "	3" × 1 $\frac{1}{2}$ "
		12	2 lbs. 3 oz.	5"	0.94	5 $\frac{1}{2}$ "	3" × 2 $\frac{1}{4}$ "
		12	3 lbs. 5 oz.	6"	1.45	6 $\frac{1}{8}$ "	3" × 2 $\frac{1}{4}$ "
C 200	Linemens Pliers, 5" and 9"	12	3 lbs. 4 oz.	5"	1.46	5 $\frac{1}{2}$ "	2 $\frac{3}{4}$ " × 2 $\frac{1}{4}$ "
		6	12 lbs. 12 oz.	9"	5.76	9"	3 $\frac{1}{2}$ " × 3 $\frac{1}{2}$ "



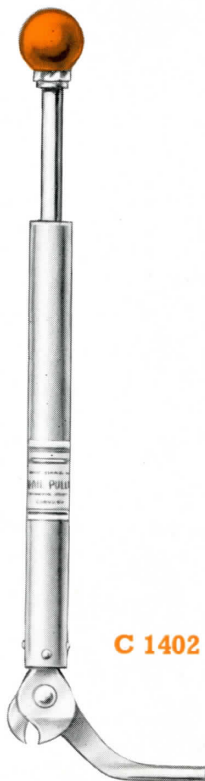
467



467 B



467 B
(Ins.)



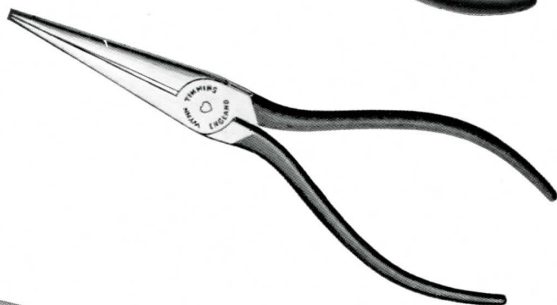
C 1402

Pattern No.	Description	Qty. Packed in a Box	Weight of 12 in Lbs. Boxed	Size	Weight of 12 in Kilos Boxed	Dimensions of 12 Boxed
467	Stocking Plier	12	2 lbs.	6 $\frac{1}{4}$ "	0-90	6 $\frac{3}{4}$ " x 3" x 2"
467 B	Radio Plier, with Side-Cutter, 5 $\frac{1}{2}$ " and 6 $\frac{3}{8}$ "	12	2 lbs.	5 $\frac{1}{2}$ "	0-90	5 $\frac{1}{2}$ " x 3 $\frac{1}{2}$ " x 2"
		12	2 lbs. 4 oz.	6 $\frac{3}{8}$ "	1-02	6 $\frac{3}{8}$ " x 3 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ "
467 B (Ins.)	ditto, Insulated	12	2 lbs.	5 $\frac{1}{2}$ "	0-90	5 $\frac{1}{2}$ " x 3 $\frac{1}{2}$ " x 2"
		12	2 lbs. 4 oz.	6 $\frac{3}{8}$ "	1-02	6 $\frac{3}{8}$ " x 3 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ "
C 1402	Nail Puller No. 2, plastic or steel knob	—	48 lbs.	19 $\frac{1}{2}$ "	24-54	24" x 9" x 5"

C 1520



467 A

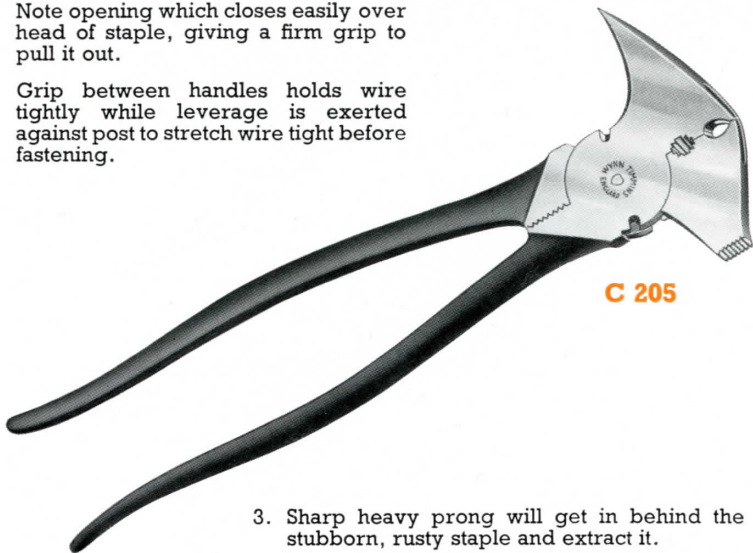


469



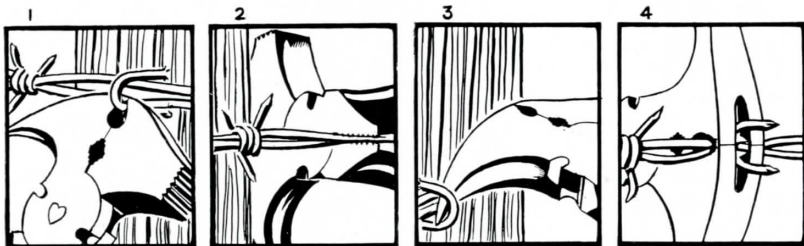
Pattern No.	Description	Qty. Packed in a Box	Weight of 12 in Lbs. Boxed	Size	Weight of 12 in Kilos Boxed	Dimensions of 12 Boxed
C 1520	Reed Plier	12	2 lbs. 7 oz.	6 $\frac{1}{2}$ "	1.09	6 $\frac{1}{2}$ " x 2 $\frac{5}{8}$ " x 1 $\frac{7}{8}$ "
467 A	Needle Nose Plier with serrated jaws	12	2 lbs.	5 $\frac{1}{2}$ "	0.90	5 $\frac{1}{2}$ " x 3 $\frac{1}{2}$ " x 2"
		12	2 lbs. 4 oz.	6 $\frac{3}{8}$ "	1.02	6 $\frac{3}{8}$ " x 3 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ "
469	Long Chain Nose Plier with Side-Cutter, 8"	12	6 lbs. 11 oz.	8"	3.02	8 $\frac{1}{2}$ " x 3 $\frac{3}{8}$ " x 3 $\frac{1}{2}$ "

1. Note opening which closes easily over head of staple, giving a firm grip to pull it out.
2. Grip between handles holds wire tightly while leverage is exerted against post to stretch wire tight before fastening.



C 205

3. Sharp heavy prong will get in behind the most stubborn, rusty staple and extract it.
4. When necessary, both wire and staple can be gripped together by special opening in head of tool. This grip, with leverage against prong will pull staples that resist ordinary methods. Two wire cutters. Cutter capacity $\frac{7}{32}$ (.2187) inches. Broad face on head drives staples straight and rapidly.

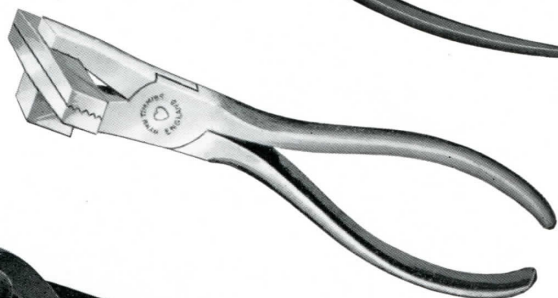


Pattern No.	Description	Weight of 6 in lbs. Boxed	Size	Weight of 6 in kilos Boxed	Dimensions of 6 Boxed
C 205	Combination Fencing Tool. Boxed singly	8	10½"	3.62	10⅞" × 8" × 2⅝"

C 209



C 1450



C 204



Pattern No.	Description	Qty. Packed in a Box	Weight of 12 in Lbs. Boxed	Size	Weight of 12 in Kilos Boxed	Dimensions of 12 Boxed
C 209	Slip Joint Plier	12	5 lbs. 4 oz.	6½"	2.36	6¼" × 3" × 4¼"
C 1450	Upholsterers' Pincer	12	16 lbs. 8 oz.	8"	7.47	9½" × 12" × 4½"
		12	18 lbs.	8½"	8.14	10" × 12" × 4½"
C 204	Slip Joint Gas Plier	12	8 lbs. 4 oz.	7"	3.73	7½" × 3¼" × 4¼"



K 9306



C 468



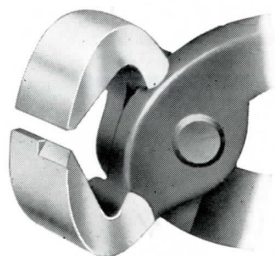
C 206

Pattern No.	Description	Qty. Packed in a Box	Weight of 12 in Lbs. Boxed	Size	Weight of 12 in Kilos Boxed	Dimensions of 12 Boxed
K 9306	Glass Plier, 6" and 8"	12	4 lbs.	6"	1-80	6½" × 3" × 2½"
		12	8 lbs. 8 oz.	8"	3-84	8½" × 4½" × 2½"
C 468	Duckbill Hosiery Plier	12	3 lbs. 6 oz.	7½"	1-52	7⅝" × 2⅝" × 3"
C 206	Fencing Plier with three joint cutters, pipe grip, serrated jaws with wire grip, 8", 10" and 12"	1	10 lbs. 6 oz.	8"	4-69	8½" × 3½" × 3½"
		1	13 lbs. 12 oz.	10"	6-21	10½" × 8" × 2"
		1	19 lbs. 8 oz.	12"	8-81	12½" × 8⅝" × 2½"



C 508 E

These pincers have been designed for use by concrete reinforcement erectors. The whole width of one jaw has a flat face, half the width of the opposite jaw is similar, to permit the pulling and twisting of binding wires. The other half of the opposite jaw is bevelled to a cutting edge to enable wires to be cut.

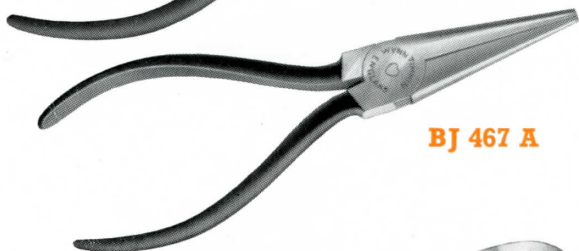


Pattern No.	Description	Qty. Packed in a Box	Weight of 12 in Lbs. Boxed	Size	Weight of 12 in Kilos Boxed	Dimensions of 12 Boxed
C 508 E	Cutting and Pulling Pincer	6	14 lbs.	10"	6.34	10" × 6½" × 4"

BOX JOINTED TOOLS



BJ 467 B



BJ 467 A



BJ 201 E



BP 201 E

Pattern No.	Description	Qty. Packed in a Box	Weight of 12 in Lbs. Boxed	Size	Weight of 12 in Kilos Boxed	Dimensions of 12 Boxed
BJ 467 B	Box Joint Radio Plier with Side-Cutter, 5½" and 6¾"	12	2 lbs.	5½"	0.90	5 1/2" x 3 1/2" x 2"
BJ 467 A	Box Joint Needle Nose Plier with serrated jaws, 5½" and 6¾"	12	2 lbs. 4 oz.	6¾"	1.02	6 3/4" x 3 1/2" x 1 1/2"
		12	2 lbs.	5½"	0.90	5 1/2" x 3 1/2" x 2 1/2"
		12	2 lbs. 4 oz.	6¾"	1.02	6 3/4" x 3 1/2" x 1 1/2"
BJ 201 E	Box Joint Side-Cutting Nipper for hard wire, 5" and 6"	12	2 lbs. 12 oz.	5"	1.24	5 1/2" x 3 1/2" x 2"
		12	3 lbs 8 oz.	6"	1.58	6 1/2" x 3 1/2" x 2 1/2"
BP 201 E	ditto, Pointed Nose	12	2 lbs. 12 oz.	5"	1.24	5 1/2" x 3 1/2" x 2"
		12	3 lbs. 8 oz.	6"	1.58	6 1/2" x 3 1/2" x 2 1/2"



3685

516 A

Pattern No. 3685		TELEGRAPH WIRE STRAINING VICES.				
		Complete with Keys.				
Vice size	- - -	4"	5"	6"	8"	10"
Overall length	- - -	7½"	8½"	10"	12½"	16"
For Wire	- - -	½"	¾"	1"	1½"	2"
Weight each	- - -	2 lbs. 4 oz.	3 lbs. 5 oz.	6 lbs. 5 oz.	10 lbs. 6 oz.	18 lbs. 12 oz.
Weight each, kilos	- - -	1.01	1.49	2.85	4.69	8.48
		Not Boxed.				
Pattern No.	Description	Qty. Packed in a Box	Weight of 12 in Lbs. Boxed	Size	Weight of 12 in Kilos Boxed	Dimensions of 12 Boxed
516 A	Hand Vice	6	8 lbs. 4 oz.	4"	3.73	5" × 7" × 6"
		6	12 lbs. 12 oz.	5"	5.76	5½" × 8" × 6"



Pattern No.	Description	Weight of 12 in Lbs. Not Boxed	Weight of 12 in Kilos Not Boxed
C 1423	Lion's Claw, to take up to $\frac{5}{16}$ " Wire - - -	15 lbs.	6-79
C 202	Dutch Draw Tongs to take up to $\frac{5}{16}$ " Wire - - -	16 lbs. 8 oz.	7-47
C 1553	Come Along Clamp		
	To take Wire $\frac{1}{16}$ " - - - - -	13 lbs. 8 oz.	6-11
	To take Wire $\frac{7}{16}$ " - - - - -	31 lbs. 8 oz.	14-26
	To take Wire $\frac{3}{8}$ " - - - - -	42 lbs.	19-02
C 1448	Wire Dog, to take up to $\frac{3}{16}$ " Wire - - -	15 lbs. 3 oz.	6-88

C 1422



C 203 D



C 203



Pattern No.	Description	Weight of 12 in Lbs. Not Boxed	Weight of 12 in Kilos Not Boxed
C 1422	Bolt Clamp Strainer—		
	For 1/2" Cable - - - - -	46 lbs. 8 oz.	21-05
	For 3/4" Cable - - - - -	72 lbs.	32-61
C 203 D	Double Draw Tongs for Copper Wire 100, 150 and 200 lbs. to the Mile - - - - -	9 lbs.	4-07
C 203	Light Draw Tongs for Copper Wire 70-100 lbs. to the Mile - - - - -	6 lbs. 12 oz.	3-05



C 201



C 207 H



C 207

Pattern No.	Description	Weight of 12 in Lbs. Not Boxed	Weight of 12 in Kilos Not Boxed
C 201	Tension Ratchet, with Key (up to 170 lbs.) - -	—	—
	(„ 400 lbs.) - -	—	—
	(„ 650 lbs.) - -	—	—
C 207	Straining Ratchet, Light, with Hook and Key - -	15 lbs. 12 oz.	7-13
C 207 H	Heavy Straining Ratchet, with Eye and Key - -	33 lbs.	14-93
	Ditto ditto Extra Heavy - -	90 lbs.	40-76

846 E



820 E

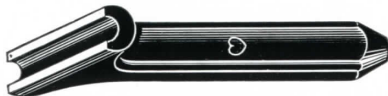


Pattern No.	WAD PUNCHES.										
846 E	$\frac{1}{4}$ "	$\frac{1}{8}$ "	$\frac{3}{16}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{3}{4}$ "	$\frac{7}{8}$ "	1"	$1\frac{1}{8}$ "	$1\frac{1}{4}$ "
	$1\frac{3}{8}$ "	$1\frac{1}{2}$ "	$1\frac{5}{8}$ "	$1\frac{3}{4}$ "	$1\frac{7}{8}$ "	2"	$2\frac{1}{8}$ "	$2\frac{1}{4}$ "	$2\frac{3}{8}$ "	$2\frac{1}{2}$ "	$2\frac{5}{8}$ "
	$2\frac{1}{4}$ "	3"	$3\frac{1}{4}$ "	$3\frac{1}{2}$ "	$3\frac{3}{4}$ "	4"	$4\frac{1}{4}$ "	$4\frac{1}{2}$ "	$4\frac{3}{4}$ "		
	IMPROVED WELDLESS HOLLOW STEEL BAND PUNCHES.										
820 E	No.	4	5	6	7	8	9	10	11	12	
		$\frac{1}{8}$ "	$\frac{3}{16}$ "	$\frac{1}{4}$ "	$\frac{5}{16}$ "	$\frac{3}{8}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "	$\frac{9}{16}$ "	$\frac{5}{8}$ "	
	No.	13	14	15	16	17	18	19	20		
		$\frac{7}{16}$ "	$\frac{1}{2}$ "	$\frac{9}{16}$ "	$\frac{5}{8}$ "	$\frac{11}{16}$ "	$\frac{3}{4}$ "	$\frac{13}{16}$ "	$\frac{7}{8}$ "		



48

Pattern No.	Description	Weight of 12 in Lbs. Not Boxed	Weight of 12 in Kilos Not Boxed
48	Rivet Sets, Solid Steel		
	Nos. 1—12 or $\frac{1}{16}$ " — $\frac{3}{16}$ "	4 lbs. 8 oz.	2.03
	Nos. 13—18 or $\frac{3}{16}$ " — $\frac{1}{2}$ "	6 lbs.	2.71
	Nos. 19—21 or $\frac{5}{16}$ " — $\frac{3}{4}$ "	13 lbs. 8 oz.	6.11
	$\frac{7}{16}$ " — $\frac{1}{2}$ "	18 lbs.	8.14



49

Pattern No.	Description	Weight of 12 in Lbs. Not Boxed	Weight of 12 in Kilos Not Boxed
49	Hand Groove Punches		
	$\frac{3}{8}$ " — $\frac{5}{16}$ " and $\frac{1}{2}$ "	4 lbs. 8 oz.	2.03
	$\frac{7}{16}$ " and $\frac{3}{8}$ "	8 lbs. 4 oz.	3.73
	$\frac{1}{2}$ " and $\frac{5}{8}$ "	12 lbs. 12 oz.	5.76



45

Pattern No.	Description	Weight of 12 in Lbs. Not Boxed	Weight of 12 in Kilos Not Boxed
45	Tinmen's Hollow Punches		
	$\frac{1}{8}$ " — $\frac{1}{16}$ "	12 oz.	.34
	$\frac{1}{8}$ " — $\frac{1}{8}$ "	1 lb. 8 oz.	.68
	$\frac{1}{8}$ " — $\frac{3}{16}$ "	2 lbs. 4 oz.	1.01
	$\frac{1}{8}$ " — $\frac{1}{4}$ "	4 lbs. 8 oz.	2.03
	$\frac{1}{8}$ " — $\frac{5}{16}$ "	7 lbs. 8 oz.	3.40
	$\frac{1}{8}$ " — $\frac{3}{8}$ "	8 lbs. 7 oz.	3.82
	$\frac{1}{8}$ " — $\frac{1}{2}$ "	9 lbs. 6 oz.	4.24
	$\frac{1}{4}$ " — $\frac{1}{4}$ "	10 lbs. 5 oz.	4.66
	$\frac{1}{4}$ " — $\frac{5}{16}$ "	11 lbs. 4 oz.	5.08
	$\frac{1}{4}$ " — $\frac{3}{8}$ "	15 lbs. 12 oz.	7.13
	$\frac{1}{4}$ " — $\frac{1}{2}$ "	20 lbs. 4 oz.	9.16
	$\frac{1}{4}$ " — $\frac{5}{8}$ "	21 lbs. 12 oz.	9.85
	$\frac{1}{4}$ " — $\frac{3}{4}$ "	23 lbs. 4 oz.	10.52
	$\frac{1}{4}$ " — $\frac{7}{8}$ "	27 lbs.	12.23
	$\frac{1}{4}$ " — 1"	31 lbs. 8 oz.	14.26
	2"	36 lbs.	16.30

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